WHAT IS CLAIMED IS:

1. A method for fabricating a capacitor in a metal/insulator/metal structure including a first metal layer, a dielectric layer, and a second metal layer, the method comprising:

etching the second metal layer and the dielectric layer in order; and changing the etching conditions associated with the second metal layer prior to etching the dielectric layer.

- 2. The method of claim 1, wherein etching the second metal layer and the dielectric layer comprises using a reactive ion etching process.
- 3. The method of claim 1, wherein the dielectric layer remains following the etching of the dielectric layer.
- 4. The method of claim 3, wherein a surface of the remaining dielectric layer is even.
- 5. The method of claim 1, wherein, etching the second metal layer includes etching using a mixture gas consisting of Cl₂, CHF₃ and Ar, and wherein etching the dielectric layer includes etching using a mixture gas consisting of Cl₂ and Ar.
- 6. The method of claim 1, wherein the second metal layer includes Ti and TiN stacked in order.

- 7. The method of claim 6, wherein a thickness of the Ti is 300 to 700 Å and a thickness of the TiN is 1300 to 1700 Å.
- 8. The method of claim 1, wherein a total thickness of the second metal layer is 1600 to 2400 Å.
 - 9. The method of claim 1, wherein the dielectric layer is made of nitride.
- 10. The method of claim 1, wherein a thickness of the dielectric layer is 400 to 800 Å.
- 11. The method of claim 1, wherein the first metal layer comprises a first Ti/TiN stacking structure, an AlCu layer and a second Ti/TiN stacking structure, which are formed in order.
- 12. The method of claim 1, wherein etching the second metal layer comprises using a mixture gas consisting of Cl₂, CHF₃ and Ar in the ratio of 5:1:5.
- 13. The method of claim 1, wherein, etching the second metal layer comprises etching the second metal layer for 45 to 55 seconds

- 14. The method of claim 1, wherein etching the second metal layer comprises generating a plasma at a pressure of 8mTorr and a power of 900W and applying a bias power of more than 150W.
- 15. The method of claim 1, wherein etching the dielectric layer comprises using a mixture gas consisting of Cl₂ and Ar in the ratio of 1 to 2.
- 16. The method of claim 1, wherein an etching time associated with the dielectric layer is between about 10 to 15% of an etching time associated with the second metal layer
- 17. The method of claim 1, wherein etching the dielectric layer comprises etching the dielectric layer for 4.5 to 8 seconds.
- 18. The method of claim 1, wherein etching the dielectric layer comprises generating a plasma is generated under a pressure of 8mTorr and an application power of 900W and applying a bias power of more than 150W.
- 19. The method of claim 1, wherein, before the second metal layer is etched, a photoresist pattern is formed on the second metal layer, and the second metal layer and the dielectric layer are etched using the photoresist pattern as a mask.

20. The method of claim 1, wherein a thickness of the photoresist pattern is 11,000 to $15,000\,\text{Å}$.